



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**



Applicant: Tod R. SMEAL, et al.

Title: GEF-H1b: BIOMARKERS, COMPLEXES, ASSAYS AND  
THERAPEUTIC USES THEREOF

Appl. No.: Not Yet Assigned

Filing Date: July 1, 2003

Examiner: Unknown

Art Unit: Unknown

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

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Enclosed are:

- ☒ Specification, Claim(s), and Abstract (92 pages).
- ☒ Table 1 and Table 2
- ☒ Informal drawings (12 sheets, Figures 1, 2, 3, 4, 5a, 5b, 6a, 6b, 7, 8, 9, and 10).
- ☒ Application Data Sheet (37 CFR 1.76).

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$750.00	\$750.00
Total Claims:	112	- 20	= 92	x \$18.00	= \$1,656.00
Independents:	54	- 3	= 51	x \$84.00	= \$4,284.00
If any Multiple Dependent Claim(s) present:			+	\$280.00	= \$280.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee			+	\$130.00	= \$130.00
				SUBTOTAL:	= \$7,100.00
<input type="checkbox"/> Small Entity Fees Apply (subtract ½ of above):					= \$0.00
				TOTAL FILING FEE:	= \$7,100.00

- ☐ A check in the amount of \$0.00 to cover the filing fee is enclosed.
- ☒ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.
- ☐ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Date

7/2/03

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Respectfully submitted,

By

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